

Rym Nouioua, MSc

Doctoral Researcher

"Since animals perceive environmental changes differently than we do, I think it's important to bring ecology into the world of art."



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Academic training

Doctoral Programme (PhD) - University of Vienna, A
February 2023 - expected 2026

Thesis: Birds, bats and related ecosystem services in a European land use context: linking conservation evidence, agricultural practices and socio-ecological perspectives

Certificate for leading mist nettings on bats in study area*

Master's Programme Ecology - University of Bremen, DE
October 2019 – October 2022

Thesis: Effects of large-scale forest fires on the activity and habitat selection of insular bats (Prof. Dr. Marko Rohlf; Dr. Ricardo Rocha) - *Thesis grade: 1.11*

Erasmus+ Internship - CiBio, Research Centre in Biodiversity and Genetic Resources, Vairão, PT

June 2021 - March 2022

Certified bat mist netting experience and identification*

Laboratory Internship in Entomology and Forest Conservation – Albert-Ludwig University of Freiburg, DE

January 2021 - March 2021

Research project: Screening interaction between microorganism associated to the ambrosia beetle *Xyleborinus saxesenii*

Bachelor of Forestry and Environment - University of Fribourg, DE
October 2013 - March 2018

Thesis: The frequency of social calls of the bat genus *Pipistrellus* in relation to forest structures and temperature (Prof. Dr. Ilse Storch; PhD Marlotte Jonker);
Minor: International forestry

Semester Abroad - University Austral de Chile, Valdivia, CL
September 2016 - March 2017

Research project: Insects as bioindicators

Languages

German: mother tongue

Italian: mother tongue

English: C1.2 certified*

Spanish: B2.1 certified*

Latin: Latinum (Abitur)

French: Basic knowledge

Portuguese: Basic knowledge

Skills

EDP / IT:

MS Office (Word, Power-Point, Excel, Database)

Rstudio

Bat Explorer / bcAdmin /

Kaleidoscope (certified*)

Ableton / Audacity / Reaper

ArcGis / QGIS / Basecamp

Sensory devices:

Batlogger (Elecon) /

Batcorder / AudioMoth /

SM mini bat (wildlife

acoustics)

Notes:

Class B driving license (2010)

Chainsaw license (2014)

Publications

Nouioua et al. (2025) Climate-Influenced Winter Bat Activity and Habitat Interactions: A Case Study in Tuscany, Italy. *In preparation for Submission.*

Nouioua et al. (2024) Effects of large-scale forest fires on insular bats. *In preparation for Submission. Preview on ResearchGate.*

El-Khaled et al. (2024) Comparative assessment of invertebrate biodiversity in two common Mediterranean algae habitats. *Role: Formal analysis-Supporting, Writing – review & editing-Equal. Under review (Ecology and Evolution).*

Nouioua et al. (2024) Social Calls characteristics of the island restricted Madeira pipistrelle. *Under review (Bat research and conservation).*

Darras et al., (2024) Worldwide soundscape ecology patterns across realms. *Role: Data curation, writing-review. Under review (BioRxiv)*

Dornelas et al. (2024) BioTIME 2.0: expanding and improving a database of biodiversity time series. *Role: Data curation. Under review (Global Ecology and Biogeography).*

Darras et al., (2023) ecoSound-web: an open-source, online platform for ecoacoustics. *Role: Data curation. https://ecosound-web.de/ecosound_web/*

Scientific work with bats and birds

7th European Congress of Conservation Biology, Bologna, IT

Excursion Organization and Leading: “Bat night”

18. + 19. May 2024

Conference abstract and Presentation: Can olive groves support bat conservation during winter? A Case Study on Climate-Influenced Winter Bat Activity and Habitat Interactions in Tuscany, Italy

17-21 May 2024

10th Workshop of IOBC/WPRS “Landscape Management for functional Biodiversity” at Scuola Superiore Sant’Anna, Pisa, IT

Conference abstract and Presentation: Can olive groves support bat conservation during winter? A case study from Tuscany, IT

20-22 March 2024

Research stay “Co-producing biodiversity-friendly management practices to advance ecosystem services provided by agroforestry systems”, Central Sulawesi, Indonesia

Bioacoustics monitoring, bat mist netting and identification lead, analysis and reports.

01-31 January 2024

Funding and Grants

2023 Prof. Bingel Stipendium der DAAD-Stiftung

2023 Short-term grant abroad (KWA) University of Vienna

Module awards

2021 "Insect Ecology" - Prof. Dr. Marko Rohlf

2016 "Bat Monitoring" – Dr. Geva Peerenboom | Certified bat mist-netting experience, monitoring and identification*

Social volunteering

Schönberg School Youth Welfare Service, Freiburg e.V, Freiburg, DE;
Tutor, supervision
2017 - 2019

Tier - Natur – Erlebnispark Mundenhof, Freiburg, DE;
Internship in nature education and animal care
June 2017 - September 2017

Initiative "Denkmal... in Farbe", Freiburg, DE;
Art project for integration and intercultural exchange
2015 - 2016

Lebenshilfe e.V., Family Support Service,
Buchenbach, DE;
Personal assistance, care, (severe multiple disability)
2013 - 2016

Scientific work with bats and birds (continued)

4th Conference of the Society of Island Biology, Lipari, IT

Conference abstract and Presentation: Effects of large-scale forest fires on island bats

2-7 July 2023

Mit allen Sinnen: Biodiversität sehen, hören, riechen. Aisthetiken der Vielfalt, Rhöniversum, Umweltbildungsstätte Oberelsbach, DE

Presentation and interdisciplinary Workshop: Bats, bioacoustics and sonic art

11 - 13 May 2023

2nd International Bat Research Online Symposium (IBROS), Berlin, DE

Conference abstract and Presentation: Acoustic behavior in bats: Patterns and characteristics of *P. Maderensis* social calls

24 -25 January 2023

Research Assistant, FWF Project ECO-OLIVES - University of Vienna, AT

Bioacoustics, Bats and Birds, analysis and reports

1 August - 1 November 2023

Student Conference on Conservation Science, Cambridge, UK

Conference poster: Island bats and forest fires

29 - 31 March 2022

Identification of hibernating bats in Natura 2000 site "Nietoperek" - 21st and 22nd International Winter Bat Census, Lubrza, PL (Certified*)

January 2022 and 2023

Landscape planning company; Dipl.- Forstw. H.-J. Zurmöhle, Waldkirch, DE

Focus: Bats, Birds, and Amphibian management, Nature conservation reports

April 2019 - July 2019

Research Assistant - ConFoBi (Conservation of Forest Biodiversity in Multiple-Use Landscapes of Central Europe), University, Freiburg, DE

Project B5 "Bats and forest structures"

Bioacoustics monitoring, Bats, analysis and reports.

Certified bat mist netting experience and identification*

October 2018 - December 2018

2nd Social Calls of Bats Conference, Bat Ability, Edinburgh, UK

April 2018

Social volunteering (continued)

Lebenshilfe Breisgau e.V., Müllheim e.V., DE;

Social Activities; Daily support and care
2012 – 2016

Kompaz Festival, Playa de las

Docas, Chile
Beach Clean-Up Project; clean environment
2012 - 2013

Ecological Farm, Deeral, QLD,

Australia; Volunteer Farming
2012 - 2013

Diaconal Initiative, Hügelheim,

EN; Personal Assistance (Child with Kanner Autism)
2010 - 2013

Faust Gymnasium, Staufen, DE;

Tutor, homework supervision
2010 - 2012

Science Communication

Leading and Organization of FWF Project SOUNDS WILD –

University of Vienna, AT - School Workshops on Bats, Birds and Ecosystem services
February 2023 – 2025

ISAC/IRCAM 2024 – International Sonosfera Ambisonics Competition “Eugenio Giordani”

Short listed composition: “Cold arousal” by Diana Karle and Rym Nouioua
February 2024

Project collaboration "Reverberations" – Online exhibition by the USDA Forest Service and The Nature of Cities Section “Air” – Bats “Swarming”

2023 - ongoing

Project release "The Bat Effect" - Podcast and Sound Library

Collaboration with Sascha Brosamer (Berlin)
July, 2021

Assistant for Production and Research - HG-Medien for Riffreporter, Berlin, DE; Science Journalism (Phosphorama | Riffreporter)

January 2021 - June 2021

Talk at TEDx Freiburg, DE - TEDx Talk "I'm listening to bats. Professionally. Here is what I learned"

November 2019

Communication projects on sound, art and science - Vogelklang Festival; Global-Forest e.V. DE; Podcast | Workshop | Interviews and Panel Discussions | Sound Art | Bioacoustic and Bats annually since 2017 – current

Film and media

Film productions, DE - projects and part-time work in various film productions (listed on CrewUnited.com):

2022 2nd location manager: series "Der Scheich" by Dani Levy and Johannes Naber; X-Filme GmbH

2022 Base Manager (sick leave replacement); "El Cuco" by Mar Targarona; Barry Film GmbH

2021 Production assistant; 1st location manager: Nazi hunters - "Journey into Darkness" docu-feature film by
Raymond Ley; HR [de], NDR [de], RAI [it], rbb [de], SWR [de], Spiegel TV GmbH

2020 Motif director and location manager; feature film "Gewalten" by Constantin Hatz - Kinescope Film GmbH [de]

2020 Motif director and location manager; "Der letzte BissenTV" Erzgebirge crime film (series), con Ulrich Zrenner;
NFP / ZDF [en]

2020 Assistent location and Motif management; "Bullenstall"; TV film (series) by Thomas Jauch; Hager Moss Film
GmbH, ZDF [de]

2020 Hygiene officer (corona protection "Tiere bis unters Dach"; TV series, ARD [de], SWR [de], Polyphon Film- und
Fernsehgesellschaft GmbH

2020 Equipment Driver; "Heinrich Vogeler - From the Life of a Dreamer" Docu-feature film by Marie Noëlle; Kinescope Film GmbH

2019 Assistent location and Motif management "Curveball - Wir machen die Wahrheit"; feature film by Johannes Naber; Bon Voyage Films GmbH

2018 Outside prop assistant; "Der Weg nach Padulim"; feature film by Annette Friedmann; Eikon Media

* I am happy to provide you with any further information and listed certificates on request.